## INTERNATIONAL SEARCH REPORT

International application No

PCT/US04/28889

A CLASSIFICATION OF SUBJECT MATTER  IPC(7) E2 IB 43/10  US CL 166/380, 207, 216, 217,384  According to International Patent Classification (IPC) or to both national classification and IPC					
B FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) US 166/380, 207, 216, 217, 384 381 and 206					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST					
	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No	
X	US 2003/0024708 AI (Ring et al ) 06 February 2003	(06 02 03),	see entire document	1264, 1265, 1282, 1302, 1305, 1306, 13 13, 1314, 133 1, 1351, 1354, 1355	
х	US <sub>5</sub> ,755,895 A (Tamehiro ct al ) 26 May 1998 (26 05 98), see entire document			729, 733-735, 738-740	
х	US 2,246,038 A (Graham) 17 June 1941 (17 06 41), see entire document			673, 674, 677, 680	
A	US 4,888,975 A (Soward et al.) 26 December 1989 (26 12 89), sec entire document			758	
A	US 4,779,445 A (Rabe) 25 October 1988 (25 10 88), see entire document			758	
А	US 3,805,567 A (Aguis-Sinerco) 23 April 1974 (23 04 74), see entire document			758	
A	US 2,919,741 A (Strock et al ) 05 January 1950 (05 01 60), see entire document			1264, 1313	
Further documents are listed in the continuation of Box C See patent family annex					
Special categories of cited documents  A" document defining the general stale of the art which is not considered to be of particular relevance		ሞ	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E <sup>1</sup> carlier application or patent published on or after the international filing date  'L' document which may throw doubts on priority clain (s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"X"	ocument of particular relevance, the claimed invention cannot be onsidered novel or cannot be considered to involve an inventive step when the document is taken alone		
		"Y"	document of particular relevance, the cleonsidered to involve an inventive step with one or more other such documents,	step when the document is combined	
O document	referring to an oral disclosure, use exhibition or other means		obvious to a person skilled in the art		
'P' document published prior to the international filing date but later than the priority date claimed		& <b>-</b>	document member of the same patent fi		
Date of the actual completion of the international search		T 4	Toy 2005 riational search	ch report	
18 October 2005 (18 10 2005)  Name and mailing address of the ISA/US		Authorize	ed officer		
Mail Stop PCT, Attn ISA/US		Authorized officer  L. C. Leldermulb 12  David J Bagnell			
Commissioner for Patents PO Box 1450		David J Bagnell V			
Alexandria, Vtrgunia <sub>2</sub> 23 13-1450		Telephon	e No. 571-272-3600		
Facsimile No. (571) 273-3201					

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US04/28889

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)					
Tins international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons					
1 Claims Nos because they relate to subject matter not required to be searched by this Authority, namely					
2 1 1 Claims Nos because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically	!				
Claims Nos because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6 4(a)					
Box No. 111 Observations where unity of invention is lacking (Continuation of item 3 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows Please See Continuation Sheet					
As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims					
As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment					
of any additional fees  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos					
4 No required additional search fees were timely paid by the applicant Consequently, this international search report is restricted to the invention first mentioned in the claims, it is covered by claims Nos					
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee					
The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation	;				
J No protest accompanied the payment of additional search fees  Form PCT/ISA/210 (continuation of first sheet/2)) (April 2005)					

## International application No INTERNATIONAL SEARCH REPORT PCT/US04/28889 BOX III OBSERVATIONS WHERE UNITY OF INVENTION IS LACKING This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13 1 In order for all inventions to be examined, the appropriate additional examination fees must be paid Group I, claims 673, 674, 677 and 680, drawn to an expandable tubular member Group II, claims 729, 733-735, 738-740 and 744, drawn to a method of manufacturing a tubular member Group III, claims 758, 760, 777, 779, 798-801, 803-805, 1233-1235, 1264, 1265, 1282, 1284, 1302-1306, 1308, 1313, 1314, 1331, 1333, 1347-1349, 1351-1355 and 1357, drawn to the apparatus and method of using the same for expanding a tubular member The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13 1 because, under PCT Rule 13 2, they lack the same or corresponding special technical features for the following reasons the expandable tubular member of Group 1 can be manufactured using a drawn over mandrel process The inventions listed as Groups I and III do not relate to a single general inventive concept under PCT Rule 13 1 because, under PCT Rule 13 2, they lack the same or corresponding special technical features for the following reasons the expandable tubular member of Group 1 can be manufactured using an apparatus for cold-rolling and seam welding sheet stock The inventions listed as Groups II and III do not relate to a single general inventive concept under PCT Rule 13 1 because, under PCT Rule 13 2, they lack the same or corresponding special technical features for the following reasons the method of manufactu $\pi$ ng an expandable tubular member of Group II can be performed without a swaging operation

Form PCT/ISA/210 (extra sheet) (Ap $\pi$ 1 2005)